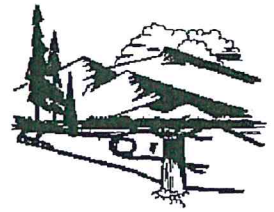




# Department of Environmental Quality

*To protect, conserve and enhance the quality of Wyoming's environment for the benefit of current and future generations.*



Todd Parfitt, Director

Mark Gordon, Governor

June 10, 2019

Ms. Monica Morales  
Director, Air Program EPA Region 8  
1595 Wynkoop St.  
Denver, CO 80202

## **Re: Initial Notification of PM<sub>2.5</sub> and PM<sub>10</sub> Exceedances of the 24-Hour NAAQS - Wildfire Exceptional Events (September 1, 2017- September 15, 2017)**

Dear Ms. Morales,

Attached is the initial notification of a wildfire exceptional event that occurred in the western regions of the United States during the time frame of September 1, 2017 through September 15, 2017. While the wildfire plume was regional in nature and was observable throughout the state during the event, it did not cause all monitors to exceed the particulate matter (PM) National Ambient Air Quality Standard (NAAQS) throughout the event. Smoke from the wildfires in Oregon, California, Idaho, Utah, Montana, South Dakota, Colorado, and Wyoming impacted and resulted in thirty-eight (38) recorded exceedances of the United States Environmental Protection Agency's (US-EPA) 24-hour PM<sub>2.5</sub> NAAQS and eight (8) recorded exceedances of the US-EPA's 24-hour PM<sub>10</sub> NAAQS. The Wyoming Department of Environmental Quality – Air Quality Division (WDEQ-AQD) has evaluated the initial notification and circumstances surrounding the event and represents that the event should be evaluated by the US-EPA Region 8 as a wildfire exceptional event.

WDEQ-AQD is submitting an "Initial Notification of Potential Exceptional Event" and flagging the data in EPA's Air Quality System (AQS) as per 40 CFR §50.14(c) (2) (i) as a result of elevated PM<sub>2.5</sub> and PM<sub>10</sub> concentrations. The WDEQ-AQD requests that the Administrator determines that this event meets the provisions outlined in 40 CFR §50.14 (a) (1) (F) as a regulatory determination made on a case-by-case basis. The WDEQ-AQD considers this event to be of regulatory significance because of the WDEQ-AQD's reliance on ambient data to determine compliance with the NAAQS at state run State and Local Air Monitoring Stations (SLAMS), Special Purpose Monitors (SPM), Powder River Basin (PRB) mines, other industrial facilities, and National Parks. Additionally, these data are used in WDEQ-AQD's permitting process and by third parties. These reasons demonstrate the need to accurately portray anthropogenic versus non-anthropogenic or "exceptional" air quality issues to the public by means of excluding exceptional event concurred data from the data record.

In 1993 the WDEQ-AQD and US-EPA Region 8 signed a Memorandum of Agreement (MOA) to rely on ambient monitoring data at PRB coal mines to determine compliance with the 24-hour PM<sub>10</sub>



NAAQS under AQD's permitting process, rather than modeling potential 24-hour PM<sub>10</sub> impacts. The exceedances that the WDEQ-AQD is requesting Region 8 to review occurred statewide and at PRB coal mine monitors that are covered under this MOA. The WDEQ-AQD is required to report these data to US-EPA Region 8, which is accomplished through US-EPA's AQS database, annual Monitoring Network Plans, 5-year Network Assessments, and the PRB Network Review required by the WDEQ-AQD/US-EPA Performance Partnership Agreement (PPA). Because the effectiveness of the MOA is contingent on the lack of PM<sub>10</sub> NAAQS violations in the PRB, correctly reporting these data to US-EPA and AQS by placing exceptional event flags on these data is essential. The Region must take the appropriate steps to review and issue concurrence or non-concurrence on these data to accurately reflect the design value statistics in AQS and therefore accurately represent compliance with the NAAQS per the MOA. The WDEQ-AQD permitting process can be hindered as a result of the Region not issuing concurrence or non-concurrence of the ambient data.

As mentioned above, the WDEQ-AQD relies on ambient PM<sub>2.5</sub> and PM<sub>10</sub> data at coal mines, industrial facilities, and the AQD's monitoring networks (SLAMS and SPM) to determine compliance with the 24-hour NAAQS in the permitting process. It is critical that exceedances and violations of the NAAQS are properly characterized in the permit analysis as being anthropogenic or exceptional in nature. The WDEQ-AQD cannot issue a permit to a source that will cause or contribute to a violation of the NAAQS. For mines and other industrial facilities that cannot model their potential permitting action, the WDEQ-AQD must rely on the ambient data record to prove compliance with the NAAQS. In order to rely on these monitoring data for permitting actions, exceptional events must be properly characterized in the data record and must be documented to US-EPA per 40 CFR §50.14.

It is also the WDEQ-AQD's stance that any exceedance caused by an exceptional event is significant and that it is important to demonstrate to the public the difference between exceedances that are anthropogenic versus those that are non-anthropogenic or exceptional in nature. Properly characterizing these exceedances in the public record and providing scientific evidence supporting the claim of exceptionality is essential to our shared role of serving the public. These data are used by the public, researchers, and other public agencies to make scientific, public health, and policy decisions. These data must be properly flagged and concurred with in the US-EPA's AQS in order for those data to be handled correctly and reflect the monitor design values. Without the critical step of determining concurrence, data is often misused by these entities to support policy decisions that may have consequences on a local or national level. Additionally, the numerous exceedances of the 24-hour PM<sub>2.5</sub> NAAQS will affect future years design values, with the potential of a NAAQS violation. Indeed, exceedances at the industrial PM<sub>10</sub> monitors from this event and other exceptional events have led to a current violation of the 24-hour PM<sub>10</sub> NAAQS.

Due to the above mentioned factors, the WDEQ-AQD considers these exceedances to meet the criteria of regulatory significance and requests that the Administrator make a determination under 40

June 6, 2019

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CFR §50.14 (a) (1) (F) that the US-EPA will agree to review an Exceptional Event demonstration for this event. Due to the number of exceedances and widespread implications of this event, the AQD will follow up this initial notification with a demonstration after it has been through the public comment period.

Please contact Cara Keslar, Monitoring Section Supervisor, with questions at 307-777-8684.

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Sincerely,



Darla J. Potter

Air Quality Resource Program Manager

Air Quality Division

Cc: Cara Keslar, WDEQ-AQD Monitoring Section Supervisor

Mark Gagen, WDEQ-AQD CEMS Coordinator

Phil Dinsmoor, Peabody Coal

Lecia Craft, Thunder Basin Coal

Allen Wellborn, Antelope Coal

Barkley Sive, NPS-ARD

## EE Initial Notification Summary Information

## PM<sub>10</sub> Exceedance

Submitting Agency: State Of Wyoming- Air Quality Division

Agency Contact: Cara Keslar

Date Submitted: 06/10/2019

Applicable NAAQS: 1987 PM<sub>10</sub> - 24 hour 150 µg/m<sup>3</sup>

Affected Regulatory Decision<sup>1</sup>: F) Case-by-case basis, please see cover letter.

*(for classification decisions, specify level of the classification with/without EE concurrence)*

Area Name/Designation Status: Attainment/ Unclassifiable

Design Value Period (list three year period): 2015-2017

(where there are multiple relevant design value periods, summarize separately)

### **A) Information specific to each flagged monitor day that may be submitted to EPA in support of the affected regulatory decision listed above**

Date of Event	Type of Event (high wind, volcano, wildfires/prescribed fire, other <sup>2</sup> )	AQS Flag	Monitor AQS ID (and POC)	Monitor Name	Exceedance Concentration (with units)	Notes (e.g. event name, links to other events)
3/28/2015	High Wind	RJ	56-009-0851-1	Antelope 6 Site	174.9	Antelope Coal Mine Data Influenced by Exceptional Event: March 28, 2015
3/28/2015	High Wind	RJ	56-005-0869-2	ROCHELLE RO-1	190.8	NARM High Wind Dust Exceptional Event: March 28, 2015
3/28/2015	High Wind	RJ	56-009-0088-1	NA-8 NORTH ANTELOPE ROCHELLE	276.1	NARM High Wind Dust Exceptional Event Demonstration: March 28, 2015
11/18/2015	High Wind	RJ	56-005-5555-1	Site 5	187	WYODAK Wind Dust Exceptional Event Demonstration: November 18, 2015 Exceedances
11/18/2015	High Wind	RJ	56-005-6666	Site 6	350	WYODAK Wind Dust Exceptional Event Demonstration: November 18, 2015 Exceedances

11/18/2015	High Wind	RJ	56-009-0088-1	NA-8 NORTH ANTELOPE ROCHELLE	266.7	NARM High Wind Dust Exceptional Event Demonstration: November 18, 2015 Exceedance
11/18/2015	High Wind	RJ	56-005-0826	RAWHIDE HILLTOP SITE	252.2	Caballo Coal Wind Dust Exceptional Event Demonstration: November 18, 2015 Exceedance
11/29/2016	High Wind	RJ	56-009-0088-1	NA-8 NORTH ANTELOPE ROCHELLE	299.6	NARM High Wind Dust Exceptional Event Demonstration: November 29, 2016
12/19/2016	High Wind	RJ	56-005-0869-2	North Antelope Rochelle RO-1	235.3	Black Thunder, School Creek, and NARM Wind Dust Exceptional Event Demonstration: December 19, 2016
12/19/2016	High Wind	RJ	56-005-0087	Peabody (School Creek Mine)	183.5	Black Thunder, School Creek, and NARM Wind Dust Exceptional Event Demonstration: December 19, 2016
12/19/2016	High Wind	RJ	56-005-0891-2	BTM-36-2 (BLACK THUNDER MINE)	163.1	Black Thunder, School Creek, and NARM Wind Dust Exceptional Event Demonstration: December 19, 2016
9/1/2017	Wildfire	IT	56-005-0869-2	North Antelope Rochelle RO-1	161.3	Wildfire Exceptional Event Demonstration September 2017
9/3/2017	Wildfire	IT	56-005-0895-1	Rawhide North	157.4	Wildfire Exceptional Event Demonstration September 2017
9/3/2017	Wildfire	IT	56-005-0891-2	BTM-36-2 (BLACK THUNDER MINE)	155.9	Wildfire Exceptional Event Demonstration September 2017

9/3/2017	Wildfire	IT	56-009-0088-1	NA-8 NORTH ANTELOPE ROCHELLE	174.3	Wildfire Exceptional Event Demonstration September 2017
9/3/2017	Wildfire	IT	56-005-0869-2	North Antelope Rochelle RO-1	187.3	Wildfire Exceptional Event Demonstration September 2017
9/3/2017	Wildfire	IT	56-009-0851-1	Antelope 6 Site	196.1	Wildfire Exceptional Event Demonstration September 2017
9/4/2017	Wildfire	IT	56-005-0895-1	Rawhide North	158.8	Wildfire Exceptional Event Demonstration September 2017
9/13/2017	Wildfire	IT	56-009-0088-1	NA-8 NORTH ANTELOPE ROCHELLE	162.1	Wildfire Exceptional Event Demonstration September 2017

#### B) Violating / Exceeding Monitors Information

(listing of all monitors in the planning area that exceeded due to this Exceptional Event, regardless of operating agency, and regardless of whether or not they are impacted by EEs)

Monitor (AQS ID and POC)	Design Value ( <u>without</u> EPA concurrence on any of the events listed in table A above)	Design Value ( <u>with</u> EPA concurrence on all events listed in table A above)
North Antelope Rochelle RO-1(56-005-0869-POC2) - 3/28/2015, 12/19/2016, 9/1/2017, 9/3/2017	1.4	0.0
WYDK-M (56-005-5555-1) 11/18/2015	0.3	0.0
WYDK-M (56-005-6666-1) 11/18/2015	0.3	0.0
RAWHIDE HILLTOP(56-005-0826-1)11/18/2015	0.3	0.0
Peabody- School Creek Mine (56-005-0087-1)- 12/19/2016	0.4	0.0
BTM-36-2 (BLACK THUNDER MINE)(56-005-0891-POC2)- 12/19/2016, 9/3/2017	0.7	0.0
Rawhide North(56-005-0895-POC1) – 9/3/2017, 9/4/2017	0.7	0.0
NA-8 NORTH ANTELOPE ROCHELLE (56-009-0088-POC-1) – 3/28/2015, 11/18/2015, 11/29/2016, 9/3/2017, 9/13/2017	1.7	0.0
Antelope 6 Site (56-009-0851-POC1)- 3/28/2015, 9/3/2017	0.7	0.0

<sup>1</sup> designation, classification, attainment determination, attainment date extension, or finding of SIP inadequacy leading to SIP call

<sup>2</sup> Provide additional information for types of event described as "other"

**C) Summary of Maximum Design Value (DV) Monitor Information (Effect of EPA Concurrence on Maximum Design Value Monitor Determination)**  
**(Two highest values from Table B)**

	Design Value	Design Value Monitor	Comment
Maximum DV monitor (AQS ID and POC) <b><u>without</u> EPA concurrence</b> on any of the events listed in table A above	1.7	NA-8 NORTH ANTELOPE ROCHELLE(56-009-0088-POC-1	
Maximum DV monitor (AQS ID and POC) <b><u>with</u> EPA concurrence</b> on all events listed in table A above	0.0	Design Value Monitor .NA-8 NORTH ANTELOPE ROCHELLE(56-009-0088-POC-1	
Maximum DV monitor (AQS ID and POC) <b><u>without</u> EPA concurrence</b> on any of the events listed in table A above	1.4	ROCHELLE RO-1(56-005-0869-POC2) -	
Maximum DV monitor (AQS ID and POC) <b><u>with</u> EPA concurrence</b> on all events listed in table A above	0.0	ROCHELLE RO-1(56-005-0869-POC2) -	

**D) List of any monitors (AQS ID and POC) within planning area with invalid design values (e.g. due to data incompleteness)**

BTM-36-2 (BLACK THUNDER MINE) (56-005-0891-POC2)- 12/19/2016, 9/3/2017

School Creek Mine (Peabody) (56-005-0087-1) 12/19/2016

## EE Initial Notification Summary Information

## PM<sub>2.5</sub> Exceedance

Submitting Agency: State of Wyoming- Air Quality Division

Agency Contact: Cara Keslar

Date Submitted: 06/10/2019

Applicable NAAQS: 2012 PM<sub>2.5</sub> Annual 24-Hour (35 µg/m<sup>3</sup>), 2012 PM<sub>2.5</sub> Annual PM<sub>2.5</sub> Annual Mean (12 µg/m<sup>3</sup>)

Affected Regulatory Decision<sup>1</sup>: F) Case by case basis – see cover letter

*(for classification decisions, specify level of the classification with/without EE concurrence)*

Area Name/Designation Status: Attainment/ Unclassifiable

Design Value Period (list three year period): 2015-2017

(where there are multiple relevant design value periods, summarize separately)

### **A) Information specific to each flagged monitor day that may be submitted to EPA in support of the affected regulatory decision listed above**

Date of Event	Type of Event (high wind, volcano, wildfires/prescribed fire, other <sup>2</sup> )	AQS Flag	Monitor AQS ID (and POC)	Monitor Name	Exceedance Concentration (ug/m <sup>3</sup> )	Notes (e.g. event name, links to other events)
5/10/2015	Wildfire	3	56-009-0009-3	Antelope Site 7	38	The quality of these data were affected by a field issue
7/5/2015	Wildfire	RT	56-033-0002-1	Police Station, 45 WEST 12th ST., Sheridan WY (SLAMS)	36	AQS Database – no demonstration submitted
7/6/2015	Wildfire	3	56-009-0009-3	Antelope Site 7	48	The quality of these data were affected by a field issue
7/7/2015	Wildfire	RT	56-021-0100-3	NCore- North Cheyenne Soccer Complex (BAM)	58	AQS Database – no demonstration submitted
8/28/2015	Wildfire	RT	56-033-0002-1	Police Station, 45 WEST 12th ST., Sheridan WY (SLAMS)	54	AQS Database – No demonstration submitted
8/28/2015	Wildfire	RT	56-005-1899-3	Buckskin Mine North (PRB)	41	AQS Database – No demonstration submitted



8/28/2015	Wildfire	3	56-005-0892-3	BELLE AYR BA-4, 5N,5S (PRB)	38	The quality of these data were affected by a field issue
8/28/2015	Wildfire	RT	56-005-0891-3	BTM-36-2 (BLACK THUNDER MINE)	36	AQS Database – No demonstration submitted
8/28/2015	Wildfire	RT	56-033-1003-1 & 11	Meadowlark Elementary School- 1410 DeSmet Ave (SLAMS)	51	AQS Database – No demonstration submitted
5/6/2016	Wildfire	RT	56-033-0002	Police Station, 45 WEST 12th ST., Sheridan WY (SLAMS)	39	AQS Database – No demonstration submitted
5/6/2016	Wildfire	RT	56-033-1003-1	Meadowlark Elementary School- 1410 DeSmet Ave (SLAMS)	38	AQS Database – No demonstration submitted
9/1/2017	Wildfire	IT	56-005-1899-3	Buckskin Mine North (PRB)	47	Wildfire Exceptional Event Demonstration September 2017
9/1/2017	Wildfire	IT	56-005-0892-3	BELLE AYR BA-4, 5N,5S (PRB)	58	Wildfire Exceptional Event Demonstration September 2017
9/1/2017	Wildfire	IT	56-005-0891-3	BTM-36-2 (BLACK THUNDER MINE)	65	Wildfire Exceptional Event Demonstration September 2017
9/1/2017	Wildfire	IT	56-033-0006-3	500 Lewis Street (Sheridan Mobile)	40	Wildfire Exceptional Event Demonstration September 2017
9/1/2017	Wildfire	IT	56021-01001-1&11	NCore- North Cheyenne Soccer Complex (Filter Based)	69	Wildfire Exceptional Event Demonstration September 2017
9/1/2017	Wildfire	IT	56-033-0002-1&11	Police Station, 45 WEST 12th ST., Sheridan WY (SLAMS)	40	Wildfire Exceptional Event Demonstration September 2017
9/1/2017	Wildfire	IT	56-033-1003-1&11	Meadowlark Elementary School- 1410 DeSmet Ave (SLAMS)	40	Wildfire Exceptional Event Demonstration September 2017

9/2/2017	Wildfire	IT	56-005-0892-3	BELLE AYR BA-4, 5N,5S (PRB)	51	Wildfire Exceptional Event Demonstration September 2017
9/2/2017	Wildfire	IT	56-005-1899-3	Buckskin Mine North (PRB)	61	Wildfire Exceptional Event Demonstration September 2017
9/2/2017	Wildfire	IT	Not in AQS	Wheatland Mobile BAM	36	Wildfire Exceptional Event Demonstration September 2017
9/2/2017	Wildfire	IT	56-005-0891-3	BTM-36-2 (BLACK THUNDER MINE)	50	Wildfire Exceptional Event Demonstration September 2017
9/3/2017	Wildfire	IT	56-021-0100-3	NCore- North Cheyenne Soccer Complex (BAM)	73	Wildfire Exceptional Event Demonstration September 2017
9/3/2017	Wildfire	IT	56-005-0892-3	BELLE AYR BA-4, 5N,5S (PRB)	80	Wildfire Exceptional Event Demonstration September 2017
9/3/2017	Wildfire	IT	56-005-1899-3	Buckskin Mine North (PRB)	71	Wildfire Exceptional Event Demonstration September 2017
9/3/2017	Wildfire	IT	56-005-0891-3	BTM-36-2 (BLACK THUNDER MINE)	81	Wildfire Exceptional Event Demonstration September 2017
9/3/2017	Wildfire	IT	56-033-0006-3	500 Lewis Street (Sheridan Mobile)	63	Wildfire Exceptional Event Demonstration September 2017
9/3/2017	Wildfire	IT	Not in AQS	Wheatland Mobile BAM	53	Wildfire Exceptional Event Demonstration September 2017
9/3/2017	Wildfire	IT	56-013-0232-1	Spring Creek Encana	36	Wildfire Exceptional Event Demonstration September 2017
9/3/2017	Wildfire	IT	56-025-0005-3	500 S. Walsh Drive (Casper Mobile)	50	Wildfire Exceptional Event Demonstration September 2017
9/4/2017	Wildfire	IT	56-021-0100-1&11	NCore- North Cheyenne Soccer Complex (Filter Based)	69	Wildfire Exceptional Event Demonstration September 2017
9/4/2017	Wildfire	IT	56-021-0100-3	NCore- North Cheyenne Soccer Complex (BAM)	73	Wildfire Exceptional Event Demonstration September 2017

9/4/2017	Wildfire	IT	56-001-0010-3	998 Russell Street, Laramie, WY 82070 (Laramie Mobile)	60	Wildfire Exceptional Event Demonstration September 2017
9/4/2017	Wildfire	IT	56-025-0005-3	500 S. Walsh Drive (Casper Mobile)	43	Wildfire Exceptional Event Demonstration September 2017
9/4/2017	Wildfire	IT	56-025-0001-1&11	Casper- CITY COUNTY BLDG CENTER AND C STREET (SLAMS)	40	Wildfire Exceptional Event Demonstration September 2017
9/4/2017	Wildfire	IT	56-021-0001-1 &11	Cheyenne- STATE OFFICE BLDG 23RD AND CENTRAL AVENUE (SLAMS)	65	Wildfire Exceptional Event Demonstration September 2017
9/4/2017	Wildfire	IT	Not in AQS	Wheatland Mobile BAM	56	Wildfire Exceptional Event Demonstration September 2017
9/4/2017	Wildfire	IT	56-013-0232-1	Spring Creek Encana	43	Wildfire Exceptional Event Demonstration September 2017
9/4/2017	Wildfire	IT	56-001-0006-1&11	406 IVINSON, Laramie, WY (SLAMS)	57	Wildfire Exceptional Event Demonstration September 2017
9/4/2017	Wildfire	IT	56-039-1013-1	Yellowstone National Park – Old Faithful Snow Lodge	43	Wildfire Exceptional Event Demonstration September 2017
9/7/2017	Wildfire	IT	56-035-0101-3	Pinedale Gaseous	36	Wildfire Exceptional Event Demonstration September 2017
9/13/2017	Wildfire	IT	56-005-1899-3	Buckskin Mine North (PRB)	46	Wildfire Exceptional Event Demonstration September 2017
9/13/2017	Wildfire	IT	56-005-0891-3	BTM-36-2 (BLACK THUNDER MINE)	38	Wildfire Exceptional Event Demonstration September 2017
9/13/2017	Wildfire	IT	56-033-0002-1 &11	Police Station, 45 WEST 12th ST., Sheridan WY (SLAMS)	45	Wildfire Exceptional Event Demonstration September 2017
9/13/20178	Wildfire	IT	56-033-1003-1&11	Meadowlark Elementary School- 1410 DeSmet Ave (SLAMS) (SLAMS)	43	Wildfire Exceptional Event Demonstration September 2017
9/13/2017	Wildfire	IT	56-033-0006-3	500 Lewis Street (Sheridan Mobile)	39	Wildfire Exceptional Event Demonstration September 2017

9/14/2017	Wildfire	IT	56-009-0009-3	Antelope Site 7	44	Wildfire Exceptional Event Demonstration September 2017
9/14/2017	Wildfire	IT	56-005-0892-3	BELLE AYR BA-4, 5N,5S (PRB)	37	Wildfire Exceptional Event Demonstration September 2017
9/14/2017	Wildfire	IT	56-005-0891-3	BTM-36-2 (BLACK THUNDER MINE)	48	Wildfire Exceptional Event Demonstration September 2017

<sup>1</sup> designation, classification, attainment determination, attainment date extension, or finding of SIP inadequacy leading to SIP call

## B) Exceeding Monitors Information

(listing of all monitors in the planning area that exceeded due to this Exceptional Event, regardless of operating agency, and regardless of whether or not they are impacted by other EEs)

Monitor (AQ5 ID and POC)	Design Value ( <u>without</u> EPA concurrence on any of the events listed in table A above) <i>3 Year Ave. 24 Hr. DV (35µg/m3)/3 Year AVE. Annual DV(12µg/m3)</i>	Design Value ( <u>with</u> EPA concurrence on all events listed in table A above) <i>3 Year Ave. 24 Hr. DV (35µg/m3)/3 Year AVE. Annual DV(12µg/m3)</i>
Buckskin Mine North (PRB) (56-005-1899 – POC 3) BAM 8/28/2015, 9/1/2017, 9/2/2017, 9/3/2017, 9/13/2017	19/3.5	17/3.4
BELLE AYR BA-4, 5N,5S (PRB) (56-005-0892 – POC 3) BAM 8/28/2015,9/1/2017, 9/2/2017, 9/3/2017, 9/14/2017	19/4.8	17/4.6
BTM-36-2 (BLACK THUNDER MINE) (56-005-0891- POC 3), 8/28/2015, 9/1/2017, 9/2/2017, 9/3/2017, 9/13/2017, 9/14/2017	19/4.6	16/4.4
500 Lewis Street (Sheridan Mobile) (56-033-0006- POC 3)9/1/17, 9/3/17, 9/13/17	40/9.8*	21/6.7*
NCore- North Cheyenne Soccer Complex -Filter Based(56- 021-0100- POC's 1& 11)9/1/2017, 9/4/2017	10/3.6	9/3.3
Wheatland Mobile BAM (Not in AQ5) 9/2/2017,9/3/2017	23/5.9*	15/5.2*
Police Station, 45 WEST 12th ST., Sheridan WY (SLAMS) (56-033-0002- POC 1&11)7/5/2015, 8/28/2015, 5/6/2016, 9/1/2017, 9/13/2017	28/8.3	19/7.6
Meadowlark Elementary School- 1410 DeSmet Ave (SLAMS) (56-033-1003- POC 1&11)8/28/2015, 5/6/2016, 9/1/2017, 9/13/2017	21/5.6	19/5.2
NCore- North Cheyenne Soccer Complex (BAM) (56-021- 0100 POC 3) 7/7/2015, 9/3/2017, 9/4/2017	15/4.2	13/4.0

Cheyenne- STATE OFFICE BLDG 23RD AND CENTRAL AVENUE (SLAMS) (56-021-0001-POC 1 &11) 9/4/17	15/4.4	14/4.0
Spring Creek Encana (56-013-0232 _ POC 1)9/3, 9/4	13/3.2	12/3.1
500 S. Walsh Drive (Casper Mobile) (56-025-0005- POC 3) 9/3/17, 9/4/17	16/4.0*	14/3.7*
998 Russell Street, Laramie, WY 82070 (Laramie Mobile) (56-001-0010 -POC3) 9/4/17	13/4.8*	13/4.6*
Casper- CITY COUNTY BLDG CENTER AND C STREET (SLAMS)(56-025-0001- POC 1&11) 9/4/17	16/4.9	14/4.8
406 IVINSON, Laramie, WY (SLAMS) (56-001-0006 POC's 1 &11) 9/4/17	13/4.3	12/4.2
Yellowstone National Park – Old Faithful Snow Lodge (56-039-1013-POC 1) 9/4/17	16.6/4	16.6/4
Pinedale Gaseous (56-035-0101 – POC 3) 7/27/2016, 9/7/2017	16/5.1	15/5.0
Antelope Site 7 (56-009-0009- 3)5/10/2015, 7/6/2015, 9/14/2017	16/4.2	15/4.1

\*AQD Mobile Trailer typically only sample for one (1) year period

<sup>1</sup> designation, classification, attainment determination, attainment date extension, or finding of SIP inadequacy leading to SIP call

<sup>2</sup> Provide additional information for types of event described as "other"

**C) Summary of Maximum Design Value (DV) Monitor Information (Effect of EPA Concurrence on Maximum Design Value Monitor Determination)**  
**(Two highest values from Table B)**

	Design Value	Design Value Monitor	Comment
Maximum DV monitor (AQS ID and POC) <b><u>without</u> EPA concurrence</b> on any of the events listed in table A above	28/8.3	Police Station, 45 WEST 12th ST., Sheridan WY (SLAMS) (56-033-0002- POC 1&11)	
Maximum DV monitor (AQS ID and POC) <b><u>with</u> EPA concurrence</b> on all events listed in table A above	19/7.6	Police Station, 45 WEST 12th ST., Sheridan WY (SLAMS) (56-033-0002- POC 1&11)	
Maximum DV monitor (AQS ID and POC) <b><u>without</u> EPA concurrence</b> on any of the events listed in table A above	21/5.6	Meadowlark Elementary School- 1410 DeSmet Ave (SLAMS) (56-033-1003- POC 1&11)	
Maximum DV monitor (AQS ID and POC) <b><u>with</u> EPA concurrence</b> on all events listed in table A above	19/5.2	Meadowlark Elementary School- 1410 DeSmet Ave (SLAMS) (56-033-1003- POC 1&11)	

**D) List of any monitors (AQS ID and POC) within planning area with invalid design values (e.g. due to data incompleteness)**

998 Russell Street, Laramie, WY 82070 (Laramie Mobile) (56-001-0010 -POC3)-9/4/2017  
500 S. Walsh Drive (Casper Mobile) (56-025-0005- POC 1 & 11 -) -9/3/2017, 9/4/2017  
500 Lewis Street (Sheridan Mobile) (56-033-0006- POC 3) -9/1/2017, 9/3/2017, 9/13/2017  
Yellowstone National Park – Old Faithful Snow Lodge (56-039-1013-POC 1)- 9/4/2017  
BTM-36-2 (BLACK THUNDER MINE) (56-005-0891- POC 3) 8/28/2015, 9/1/2017, 9/2/2017, 9/3/2017, 9/14/2017  
Wheatland BAM (Not in AQS) – 9/2/2017, 9/3/2017, 9/4/2017